FIG. 1
Prior Art

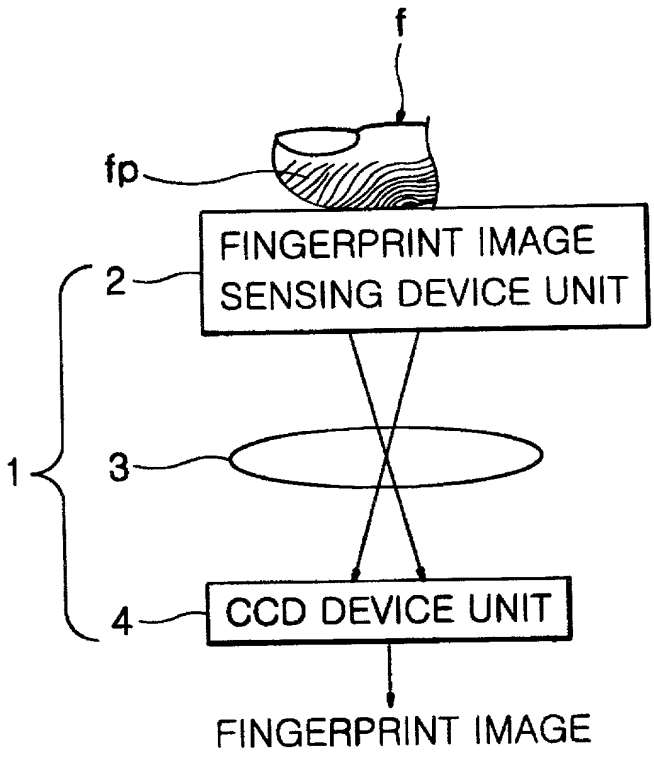


FIG. 2
Prior Art

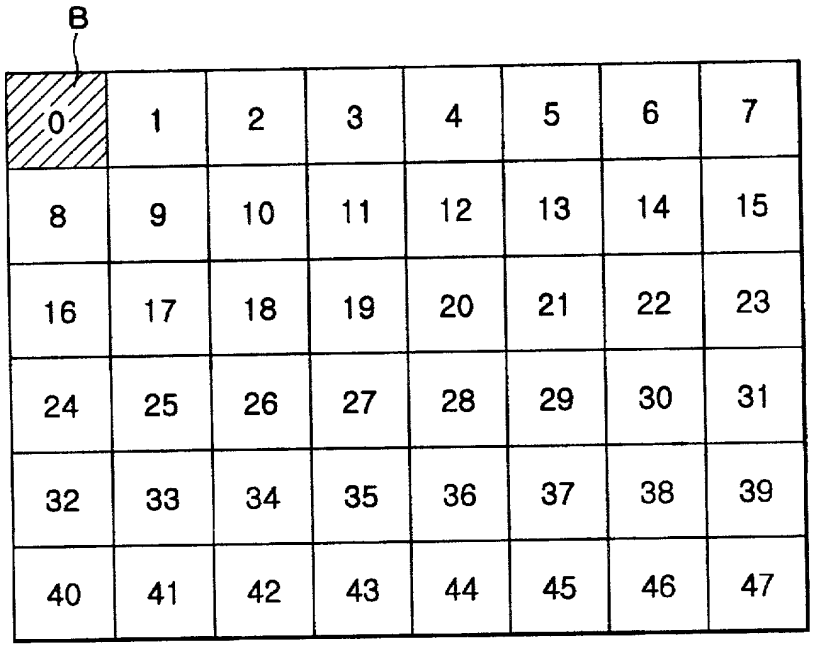


FIG. 3
Prior Art

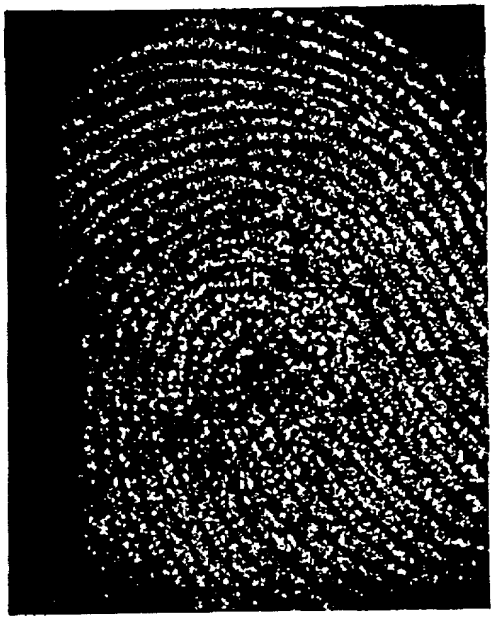


FIG. 4

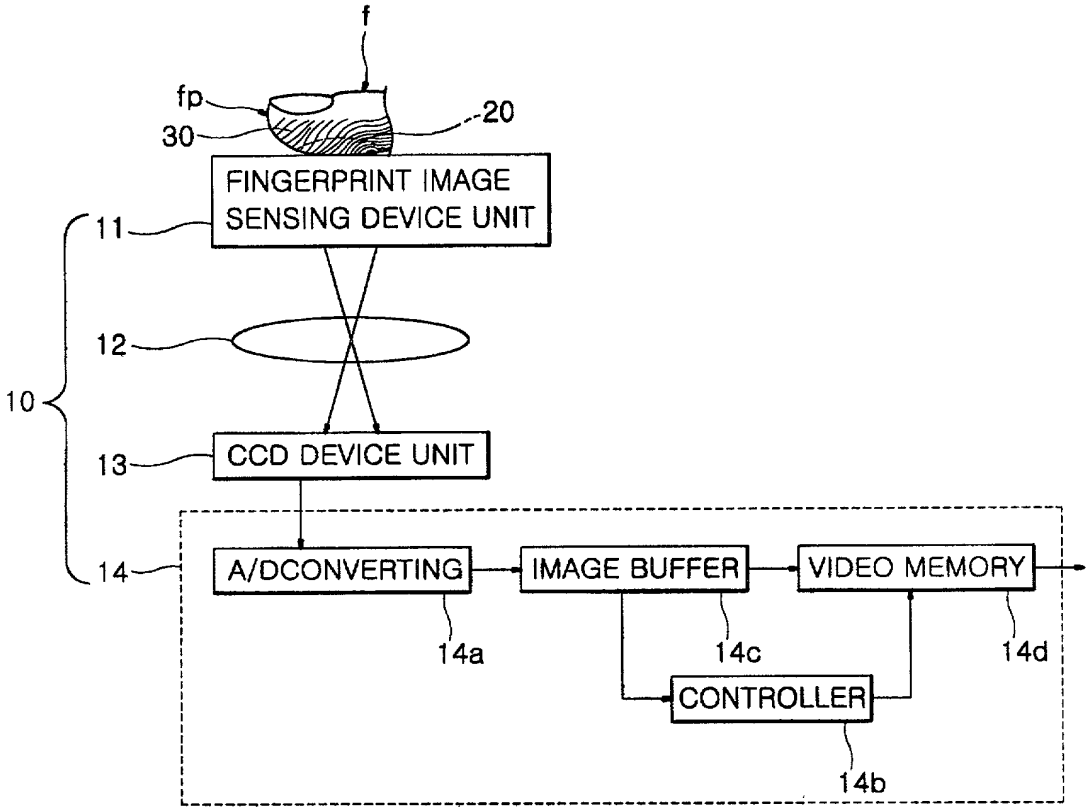

f
fp
30
20
FINGERPRINT IMAGE SENSING DEVICE UNIT
11
12
10
13
CCD DEVICE UNIT
14
A/DCONVERTING
IMAGE BUFFER
VIDEO MEMORY
14a
14c
14d
CONTROLLER
14b

FIG. 5

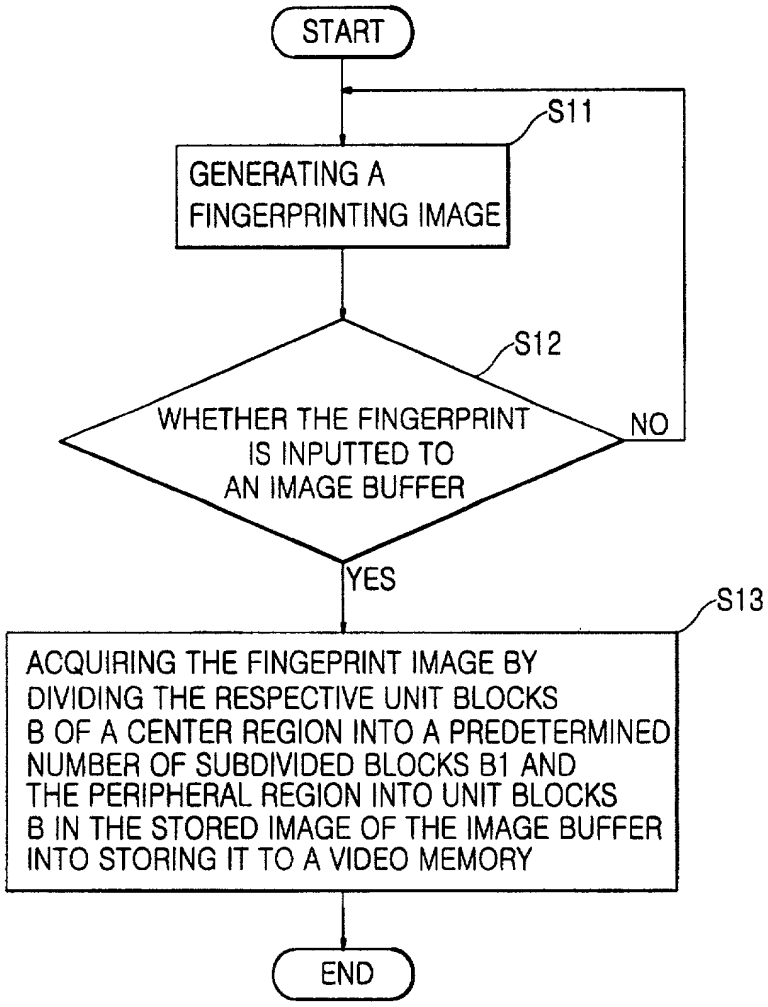
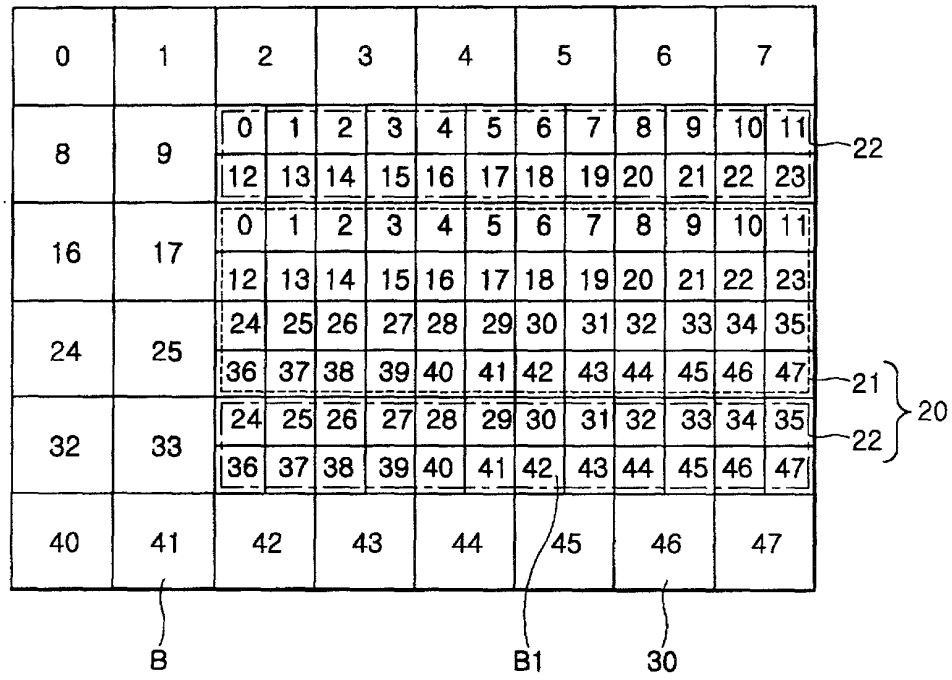

START
S11
GENERATING A FINGERPRINTING IMAGE
S12
WHETHER THE FINGERPRINT IS INPUTTED TO AN IMAGE BUFFER
NO
YES
S13
ACQUIRING THE FINGEPRINT IMAGE BY DIVIDING THE RESPECTIVE UNIT BLOCKS B OF A CENTER REGION INTO A PREDETERMINED NUMBER OF SUBDIVIDED BLOCKS B1 AND THE PERIPHERAL REGION INTO UNIT BLOCKS B IN THE STORED IMAGE OF THE IMAGE BUFFER INTO STORING IT TO A VIDEO MEMORY
END

FIG. 6


0
1
2
3
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8
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41
42
43
44
45
46
47
22
21
20
22
B
B1
30

FIG. 7

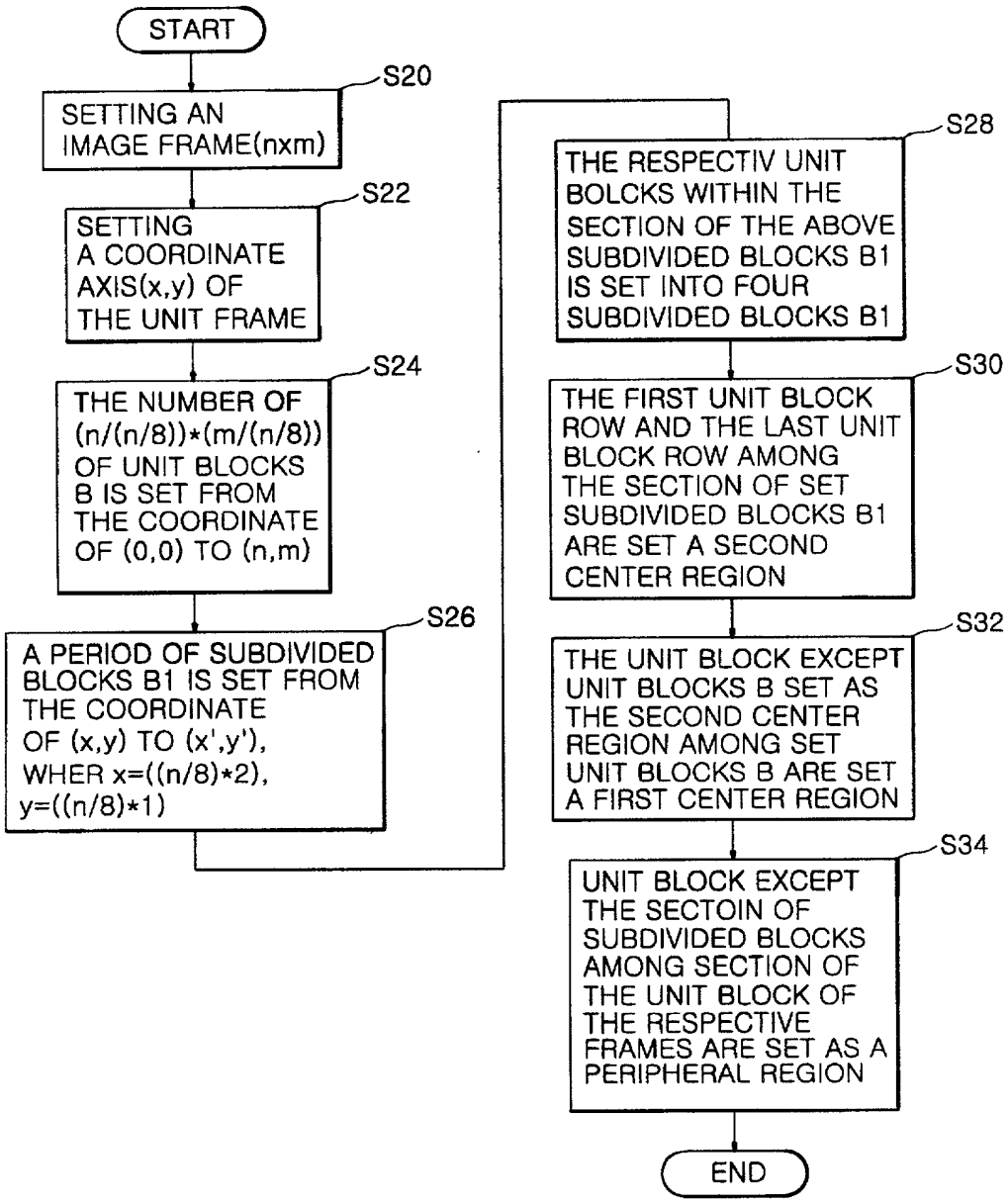
START
S20
SETTING AN IMAGE FRAME(nxm)
S22
SETTING A COORDINATE AXIS(x,y) OF THE UNIT FRAME
S24
THE NUMBER OF (n/(n/8))*(m/(n/8)) OF UNIT BLOCKS B IS SET FROM THE COORDINATE OF (0,0) TO (n,m)
S26
A PERIOD OF SUBDIVIDED BLOCKS B1 IS SET FROM THE COORDINATE OF (x,y) TO (x',y'), WHER x=((n/8)*2), y=((n/8)*1)
S28
THE RESPECTIV UNIT BOLCKS WITHIN THE SECTION OF THE ABOVE SUBDIVIDED BLOCKS B1 IS SET INTO FOUR SUBDIVIDED BLOCKS B1
S30
THE FIRST UNIT BLOCK ROW AND THE LAST UNIT BLOCK ROW AMONG THE SECTION OF SET SUBDIVIDED BLOCKS B1 ARE SET A SECOND CENTER REGION
S32
THE UNIT BLOCK EXCEPT UNIT BLOCKS B SET AS THE SECOND CENTER REGION AMONG SET UNIT BLOCKS B ARE SET A FIRST CENTER REGION
S34
UNIT BLOCK EXCEPT THE SECTOIN OF SUBDIVIDED BLOCKS AMONG SECTION OF THE UNIT BLOCK OF THE RESPECTIVE FRAMES ARE SET AS A PERIPHERAL REGION
END

FIG. 8a

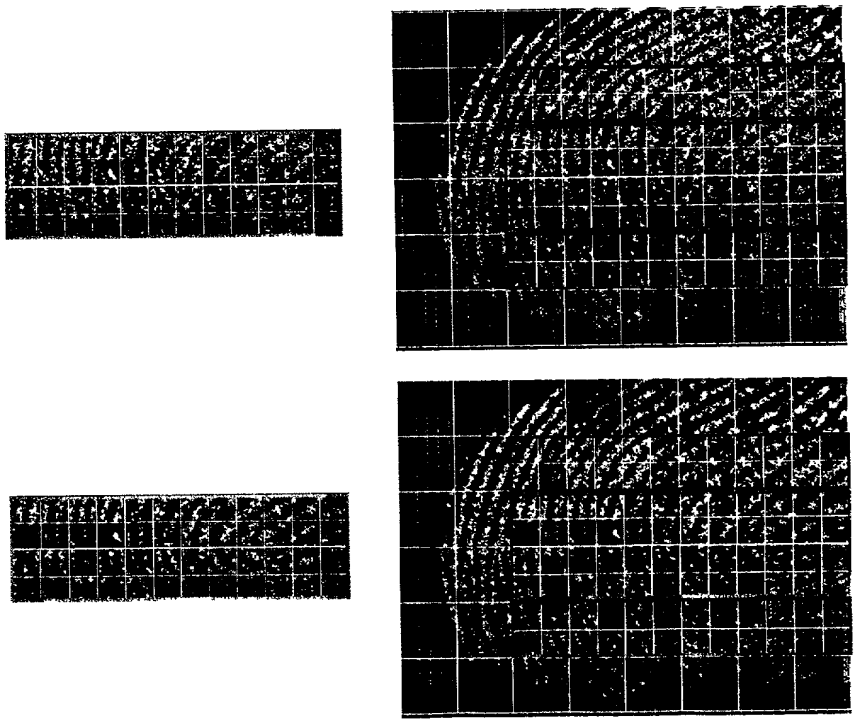

FIG. 8b

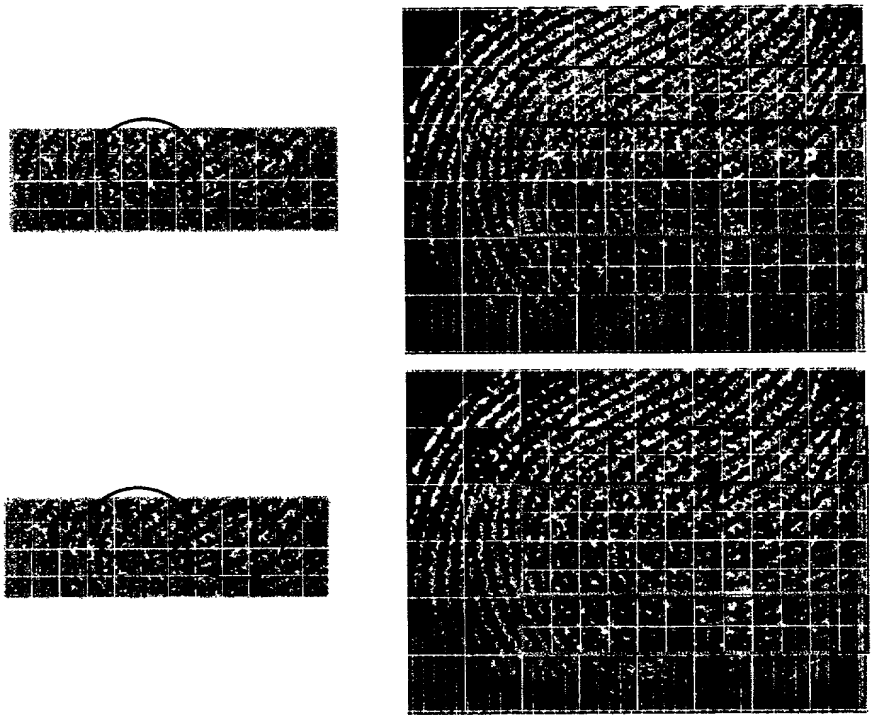

FIG. 8c

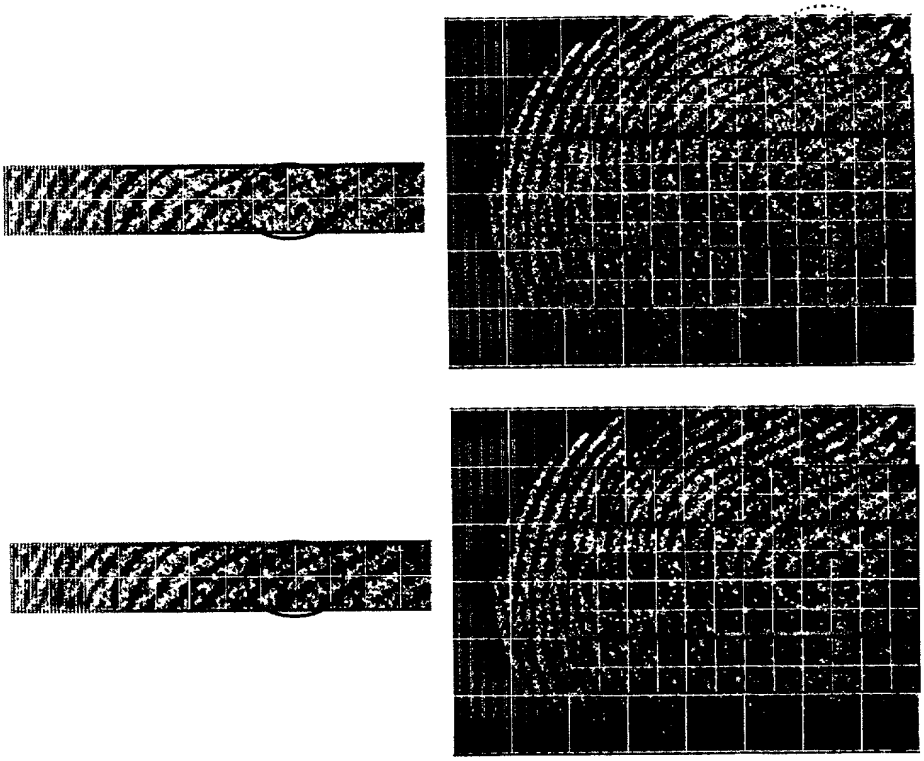

FIG. 9a

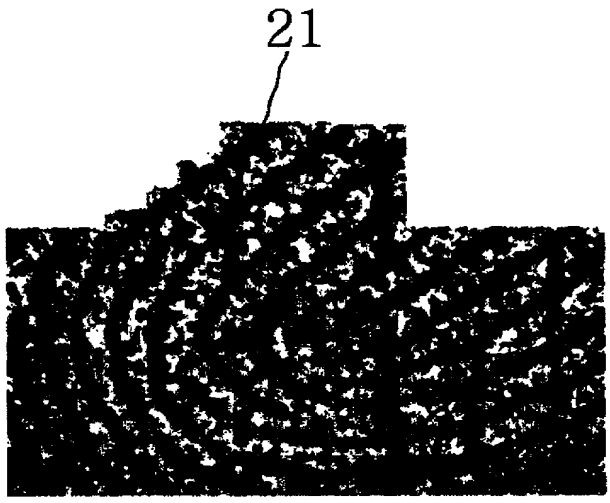

FIG. 9b

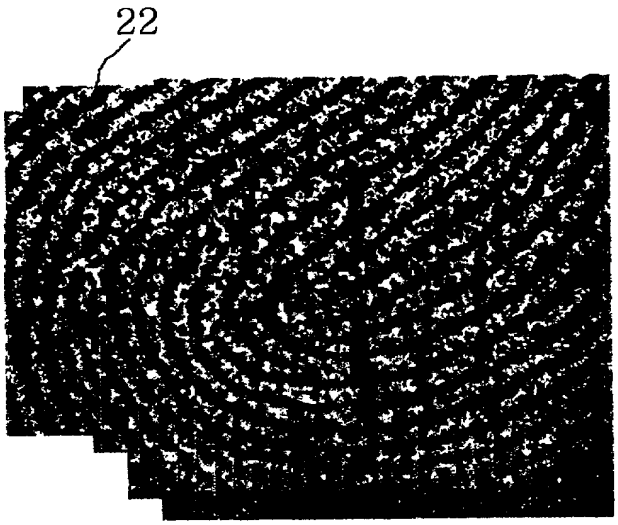

FIG. 9c

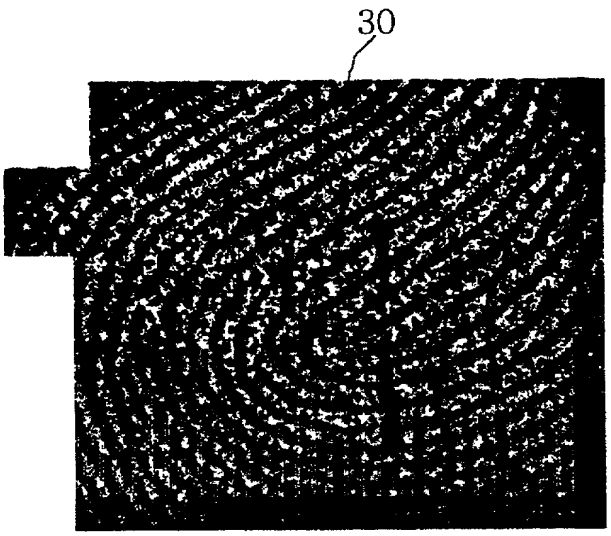
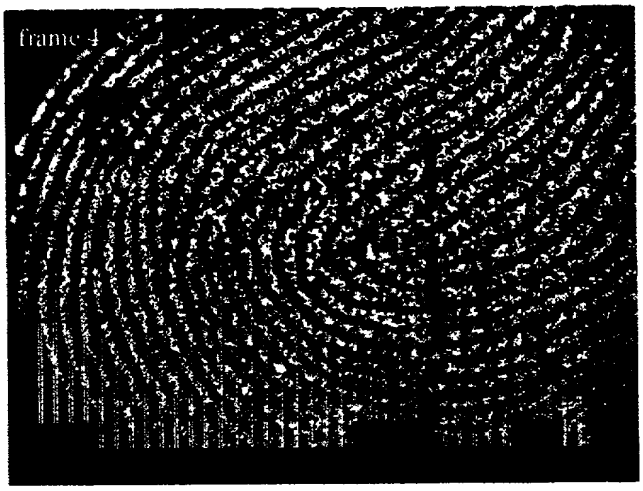
FIG. 9d